

Solar Generator& Energy Storage System

RPS series

6KW+10KWh



Main Features

- 1 > Elegant and stylish, floor installation.
- 2 > Hybrid inverter, with built-in batteries and MPPT solar controller.
- 3 > Selectable priority between solar, batteries or mains to feed the output.
- 4 > Wide range of selectable mains input voltage.
- 5 > Protection for over-discharge, overload, over-temperature, short-circuit protection etc.
- 6 > Supports RS485/CAN/SNMP/Wifi/Bluetooth monitoring function. Long lifespan:10 years life design.
- 7 > Stacked design facilitates inverter maintenance and battery capacity expansion.

MODEL	RPS6+10		
Rated Capacity	6kW/10.5kWh		
AC Input			
Rated input voltage	208/220/230/240VAC		
Voltage Range	170~264VAC(For ups mode); 90~280VAC(For Home Appliances)		
Frequency Range	40~70Hz(Auto sensing)		
AC Charging Current Range	2~120A		
Max. Input Current	27A		
PV Input			
Solar Charging Type	MPPT		
PV Max. Input Power	9000W		
MPPT Tracking Voltage Range	60~450VDC		
Max. PV Input Voltage	500 VDC		
PV Charging Current Range	2~100A		
Max. Charging Current	120A		
Output			
Rated Output Power	6.0kW		
Rated Output Voltage	(220V~240V) ± 5%		
Output frequency	50/60Hz ± 0.1%		
Peak Power	12000W		
Overload Capacity(Battery Mode)	1min@ 102%~110% Load 3s@ 130%~150% Load	10s@ 110%~130%Load 200ms@ >150% Load	
Peak Efficiency (Battery Mode)	>94% battery mode >99% line mode		
Transfer Time	10ms		
Dual output function	yes		
Max.main output power	6000VA/6000W		
Max.second output power	6000VA/6000W(Needs to be set)		
Battery			
Battery Energy	10.5kWh		
Battery Voltage	51.2Vdc		
Cell Technology	LiFePO4		
Fully charging voltage (FC)	58.4 Vdc		
Fully discharging voltage (FC)	41.6 Vdc		
Product General Data			
Communication Interface	RS232(Optional), RS485, CAN(Standard),SNMP/Wifi/Bluetooth(Optional)		
Display	LED & LCD		
Parallel Interface	RS485 & CAN		
Operation Environment Temperature	0~40 ℃		
Storage Environment Temperature	-15~60 ℃		
Environment Humidity	20%~95%		
Operation Altitude	<3000m		
Cooling Mode	Active Cooling		
Noise Emission	<50db		
Physical			
Product Dimensions (mm)	W500*H1044*D361		
Product Weight(kg)	115		

Product specifications are subject to change without notice.